AUTODOC CLUB

How to change lambda sensor on **AUDI A3 Hatchback (8P1)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
AUDI A3 Hatchback (8P1) 1.6 E-Power, AUDI A3 Hatchback (8P1) 1.6

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW Golf V Hatchback (1K1) 1.6

REPLACEMENT: LAMBDA SENSOR – AUDI A3 HATCHBACK (8P1). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Electronic spray
- High-temperature ceramic grease
- Torque wrench
- Drive socket # 10
- Flare nut wrench #22
- Clip removal tool
- Ratchet wrench
- Thread tap
- Fender cover

Buy tools

Replacement: lambda sensor – AUDI A3 Hatchback (8P1). AUTODOC experts recommend:

- After replacing the oxygen sensor, clear the trouble code from the electronic control unit and let the ECU adapt itself to the new sensor.
- Before getting down to work, start the engine and let it warm up to operating temperature.
- Please note: all work on the car – AUDI A3 Hatchback (8P1) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

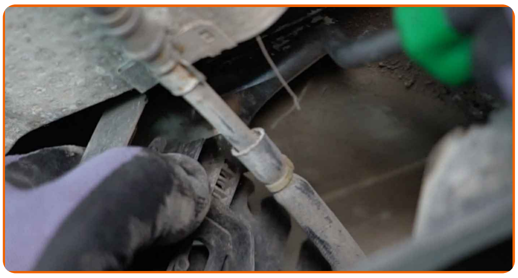
1. Open the hood.
2. Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.
3. Lift the car using a jack or place it over an inspection pit.
4. Undo the fasteners of the oil pan lower cover. Use a drive socket #10. Use a ratchet wrench.



5. Remove the oil pan cover.



6 Disconnect the oxygen sensor wiring. Use a clip removal tool.



7 Detach the oxygen sensor connector. Use a clip removal tool.



8 Clean the oxygen sensor fastener. Use a wire brush. Use WD-40 spray.



9 Unscrew the oxygen sensor fastener. Use a flare nut spanner #22.



10 Remove the oxygen sensor.



11 Cut the thread for the new oxygen sensor. Use a thread tap. Use a ratchet wrench.

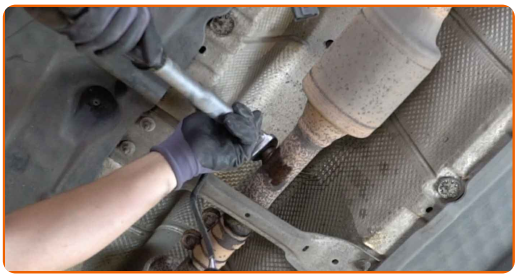


12 Treat the oxygen sensor. Use high-temperature ceramic grease.

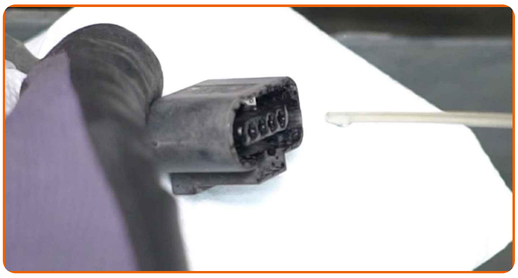
13 Install the new oxygen sensor.



14 Tighten the oxygen sensor fastener. Use a flare nut spanner #22. Use a torque wrench. Tighten it to 37 Nm torque.



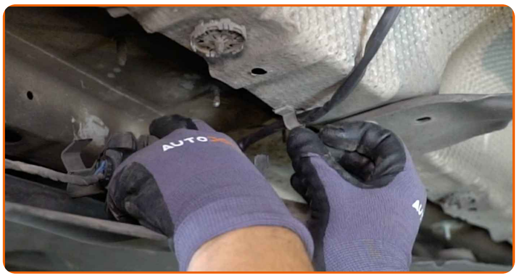
15 Treat the oxygen sensor connector. Use dielectric grease.



16 Attach the oxygen sensor connector.



17 Connect the oxygen sensor wiring.



18 Reinstall the oil pan lower cover.



19 Tighten the fasteners of the oil pan lower cover. Use a drive socket #10. Use a ratchet wrench.



20 Lower the car.

21 Switch on the ignition. This is necessary in order to make sure that the component operates properly.

22 Switch off the ignition.

23 Remove the fender protection cover.

24 Close the hood.

WELL DONE!

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